

**EVALUATION OF LEARNING MANAGEMENT SYSTEM –
CURRICULUM INFORMATION DOCUMENT ON-LINE SYSTEM (CIDOS)
APPLICATION IN POLYTECHNICS**

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By

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ABSTRAK (BAHASA MELAYU)

Terdapat peningkatan dalam penggunaan web portal sebagai cara untuk berinteraksi dengan pelajar. Institusi pengajian tinggi telah mula membangunkan laman web portal untuk kegunaan pelajar. Hampir setiap institusi mempunyai Learning Management System (LMS) sendiri untuk kegunaan pelajar mereka. LMS yang berjaya bukan sahaja perlu berfungsi dengan baik tetapi juga memerlukan antara muka pengguna yang mudah dan senang difahami.

Antara muka pengguna bertindak sebagai medium untuk membolehkan pengguna berinteraksi dengan sistem. Reka bentuk antara muka pengguna yang sesuai diperlukan untuk membuat pengguna merasa selesa semasa menggunakan LMS.

Tujuan kajian ini adalah untuk menilai aplikasi Curriculum Information Document On-Line System (CIDOS) di Politeknik berdasarkan empat faktor utama, (1) Teknologi dan Sistem, (2) Aplikasi Interaktif, (3) Ciri-ciri Pensyarah, dan (4) Tingkah Laku dan Sikap Pelajar terhadap aplikasi CIDOS.

Min bagi keempat-empat faktor yang dinilai adalah 4.90. Ini menunjukkan bahawa responden bersetuju bahawa aplikasi CIDOS adalah efektif, efisien dan memuaskan hati pengguna. Kesimpulannya, CIDOS mencapai matlamat untuk menyediakan satu sistem yang berkesan dan cekap bagi proses pengajaran dan pembelajaran di politeknik.

ABSTRACT (ENGLISH)

There has been increasing usage of web portal as a way to connect with students. Institutions of higher education have started developing web portal for student's use. Almost every institutions had its own Learning Management System (LMS) for their students. The successful of LMS is not only in having great functions of the system, but it also need to be well designed and has usable user interface.

User interface acts like a medium when user interacts with the system. A good design of user interface is required to make user feel comfortable and enjoyable while using the LMS. Ease of use makes the portal a place user wants to go.

The purpose of this research is to evaluate Curriculum Information Document On-Line System (CIDOS) LMS in Polytechnics based on four main factors, (1) Technology and System, (2) Interactive Application, (3) Lecturer' Characteristic, and (4) Students' Behavior and Attitude towards CIDOS application.

The mean for four factors are 4.90. This shows that the respondents agree that CIDOS application are effective, efficiency and they are satisfied in using it. As a conclusion, CIDOS is achieving objective of the development that aim to provide an effective and efficient system teaching and learning process in polytechnics.

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LIST OF ABBREVIATIONS

BPPK	Bahagian Pembangunan dan Penilaian Kurikulum
CIDOS	Curriculum Information Document On-Line System
HCI	Human Computer Interaction
IP	Internet Protocol
IS	Information System
ISO	International Standard Organization
IT	Information Technology
JPPKK	Jabatan Pembangunan Politeknik dan Kolej Komuniti
JTMK	Department of Information Technology and Communication
JKE	Department of Electrical Engineering
JKM	Department of Mechanical Engineering
JRKV	Department of Design & Visual Communication
LMS	Learning Management System
MOHE	Ministry of Higher Education
POLIMAS	Politeknik Sultan Abdul Halim Muadzam Shah
PSP	Politeknik Seberang Perai
PTSS	Politeknik Tuanku Syed Sirajuddin
SPM	Sijil Pelajaran Malaysia
SPSS	Statistical Package for the Social Sciences
UEMs	Usability Evaluation Methods
WWW	World Wide Web

CHAPTER ONE

INTRODUCTION

The World Wide Web (WWW) continues to grow and the need for discussion on the usability aspects becomes important. So far, in relation to the number of website on Learning Management System (LMS) portal, the usability aspects more or less have been left out. Usability is a key concept in Human Computer Interaction (HCI). It is concerned with making systems easy to learn, easy to use and safe to operate.

The purpose of educational software is to support learning. Clearly, the software should take into account the way students learn and also provide good usability so that student's interactions with the software are as natural and intuitive as possible. In this sense there should be a synergy between the learning process and a student's interaction with the software. Usability features should not only allow people to efficiently manipulated the interactive software, but should also be appropriate for the intended learning task. When this synergy occurs, the use of the software can be thought of as "integrated", in that a seamless link develops between the use of the software and the learning process.

The contents of
the thesis is for
internal user
only

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